(c) finally further process the stored <u>initially processed</u> image <u>data</u> to thereby effect decompression and compensation for [printer] <u>the</u> <u>characteristics of said separate color printer, wherein said</u> <u>compensation includes a second color space transformation.</u>

4. (Five Times Amended) A digital camera for use with <u>separate color</u> printers having predetermined process color and printing process parameters, a camera interface, a processor, a program memory, and a marking apparatus under the control of the processor; said camera comprising:

an imager to capture images;

a non-volatile memory;

a printer interface for receiving process color and printing process parameters from the printer and for transmitting processed images to the printer, wherein the camera receives color and printing process parameters from the printer and stores the parameters in the non-volatile memory; and

an image processor adapted to sequentially:

(a) <u>initially</u> process the captured image, by [color filter interpolation] <u>(i) a</u> <u>first color space transformation</u> and <u>(ii)</u> compression, to thereby produce [an initially-] processed image <u>data,</u>

(b) <u>then</u> store the processed [captured] image <u>data</u> in said non-volatile memory, and

(c) <u>finally</u> further process the stored <u>initially processed</u> image <u>data</u> to effect decompression and then, using the stored parameters, to effect compensation for printer characteristics including <u>a second</u> color space transformation into color planes that coincide with printer process colors.

5. (Five Times Amended) A system comprising:

a printer having predetermined process colors and printing process characteristics represented by parameters stored therein and a digital interface adapted to communicate the parameters;

an interface adapted to communicate with the printer to receive the parameters from the printer; and

a digital camera including:

an imager to capture images,

a non-volatile memory;

an image processor adapted to sequentially:

(a) process the captured image prior to storage in said non-volitile memory, by (i) color filter interpolation, (ii) a first color space transformation, and (iii) compression, to produce [an initially-] processed image data,

(b) store the processed [captured] image data in said non-volatile memory, and

(c) further process the stored processed image data to effect decompression and, using the parameters provided by the printer, to effect compensation for [printer] the characteristics of said printer, wherein said compensation includes a second color space transformation.

11. (Twice Amended) A process for digital cameras used with a printer having predetermined process colors and printing process characteristics, said process including the sequential steps of:

capturing an image on an imager;

processing the captured image by (i) color filter interpolation, (ii) a first color space transformation, and (iii) compression to produce [an initially-] processed image data; and

further processing the [initially-] processed image data to effect decompression and compensation for [in printer] the characteristics of said printer, wherein said compensation includes a second color space transformation.

REMARKS

Claims 1-7 and 11-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Koike et al. (US 5,237,401) in view of Parulski et al. (US 5,040,068). Applicant respectfully requests reconsideration in view of the present amendments and remarks hereinbelow.

Koike et al. disclose a color image reading apparatus in a color facsimile or color copying machine (column 1 lines 6-7). Such a facsimile and color